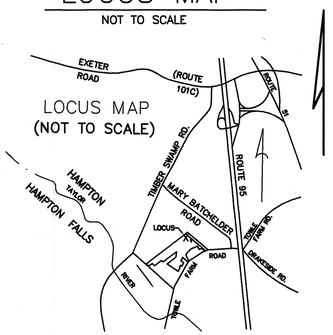
LOCUS MAP

NOT TO SCALE



SOIL CLASS: 66 PAXTON

(SOURCE: USDA–SCS SOIL SURVEY)

BENCH MARKS: DATUM = ASSUMED

#1 WATER SHUT–OFF ELEV 49.02

#2 SET PK ELEV 48.48

#3 CONC ⊙ CORNER GARAGE ELEV 52.46

DESIGN INTENT:

1. THE BOTTOM OF THE EFFLUENT DISPOSAL SYSTEM SHALL BE CONSTRUCTED AT ELEVATION 49.5 WHICH IS APPROX 0" ABOVE ORIGINAL GROUND ON THE HIGH CONTOUR OF DESIGNED EDS. EL 49.5

SUITABLE REPLACEMENT AREA:

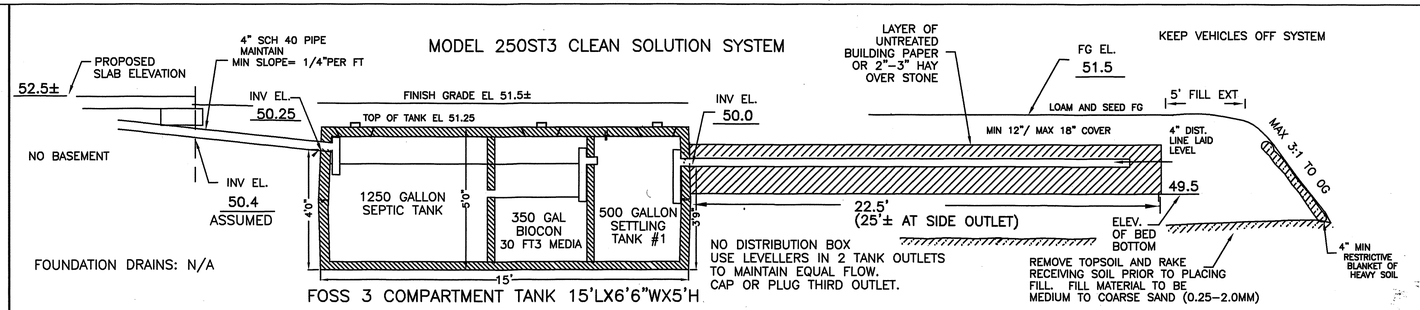
SYSTEM MUST BE REBUILT IN PLACE OR REDESIGNED.

LEGEND:

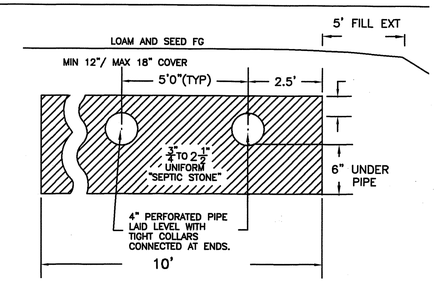
50 — EXISTING CONTOUR
(50) — PROPOSED CONTOUR
50.0 — EXISTING SPOT ELEVATION
(50.0) — PROPOSED SPOT ELEVATION

NOTES:

1. THIS PLAN IS NOT TO BE CONSTRUED AS A BOUNDARY SURVEY. PROPERTY LINES SHOWN ARE APPROXIMATED BASED ON INFORMATION FROM THE FOLLOWING SOURCE: TITLE INSURANCE SURVEY BY OTHERS
2. NHDES–WS&PCD SUBDIVISION APPROVAL NUMBER: #12569, #13391


MODEL 250ST3 CLEAN SOLUTION SYSTEM
PROPOSED SLAB ELEVATION
52.5±
4" SCH 40 PIPE MAINTAIN MIN SLOPE= 1/4"PER FT
INV EL. 50.25
FINISH GRADE EL 51.5±
TOP OF TANK EL 51.25
INV EL. 50.0
NO BASEMENT
INV EL. 50.4 ASSUMED
1250 GALLON SEPTIC TANK
350 GAL BIOCON 30 FT3 MEDIA
500 GALLON SETTLING TANK #1
FOUNDATION DRAINS: N/A
15'
FOSS 3 COMPARTMENT TANK 15'LX6'6"WX5'H
USE NON–SHRINK MORTAR SEALANT OR APPROVED EQUAL
NO DISTRIBUTION BOX
USE LEVELLERS IN 2 TANK OUTLETS TO MAINTAIN EQUAL FLOW.
CAP OR PLUG THIRD OUTLET.
LAYER OF UNTREATED BUILDING PAPER OR 2"–3" HAY OVER STONE
KEEP VEHICLES OFF SYSTEM
FG EL. 51.5
LOAM AND SEED FG
5' FILL EXT
MIN 12"/ MAX 18" COVER
4" DIST. LINE LAID LEVEL
49.5
MAX 3:1 TO OG
22.5' (25'± AT SIDE OUTLET)
ELEV. OF BED BOTTOM
REMOVE TOPSOIL AND RAKE RECEIVING SOIL PRIOR TO PLACING FILL. FILL MATERIAL TO BE MEDIUM TO COARSE SAND (0.25–2.0MM)
4" MIN RESTRICTIVE BLANKET OF HEAVY SOIL

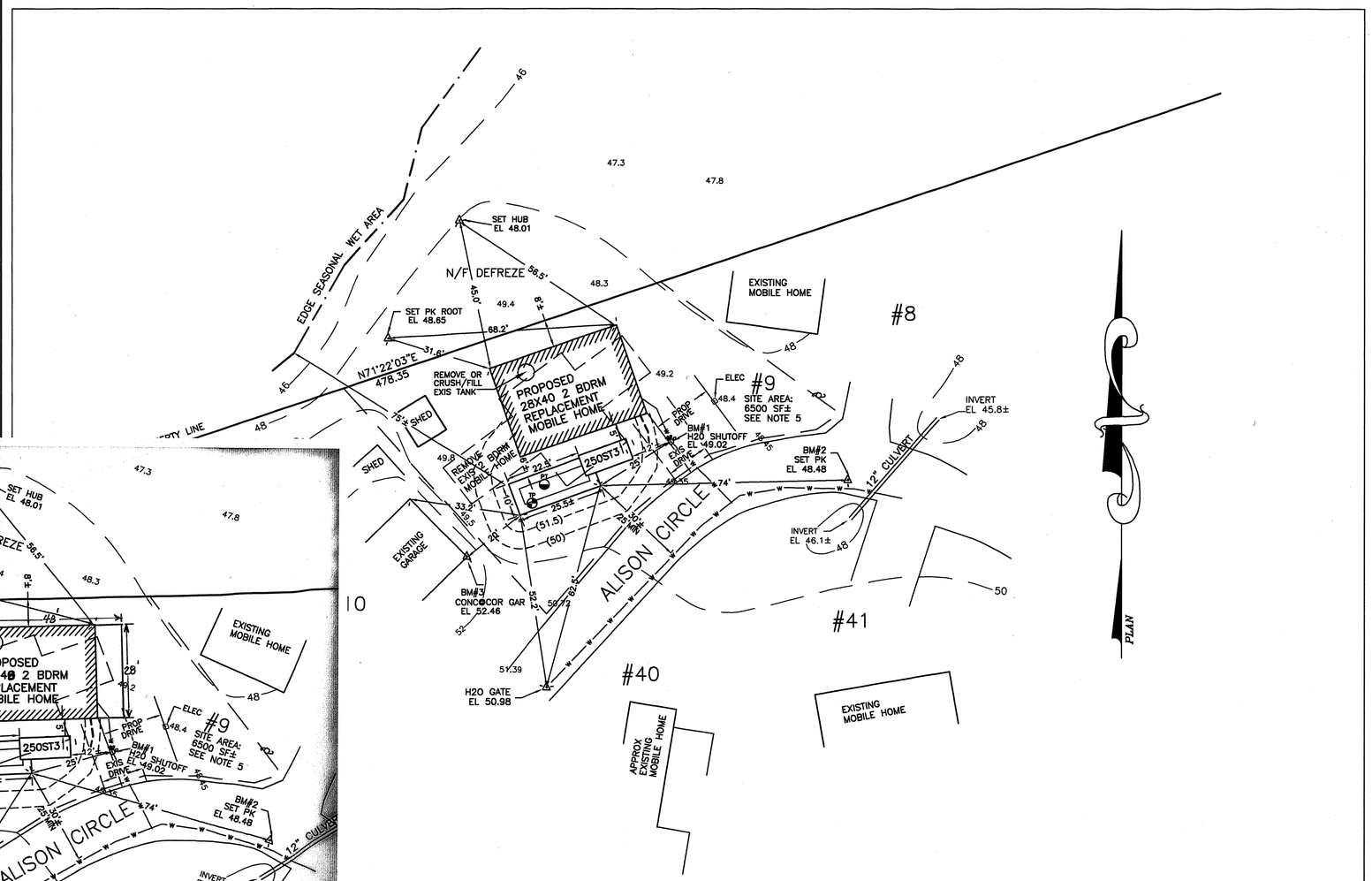
CROSS SECTION DISPOSAL SYSTEM – NOT TO SCALE



ALL SPECIFICATIONS AND RESPONSIBILITIES OUTLINED IN THE CLEAN SOLUTION MANUAL ARE A PART OF THIS DESIGN. MAINTENANCE CONTRACT MUST BE EXECUTED PRIOR TO INSTALLATION.

WASTEWATER ALTERNATIVES, INC,
TECHNOLOGY DEVELOPED BY:
HAROLD DAVIS
37 CHAMPNEY STREET
GROTON, MA 01450
978 448–2415

PLAN : 1"=20'



TEST PIT DATA

DATE: JUNE 3, 2005
TOWN INSPECTOR: N/A

TEST PIT ELEVATION 49.5

0 –16" 10YR3/4 FINE SANDY LOAM, GRANULAR FRIABLE

16–30" 10YR5/4 FINE SANDY LOAM, GRANULAR FRIABLE

30–60" 2.5Y5/4 FINE SANDY LOAM, FIRM IN PLACE

ESHWT @ 24", ROOTS TO 30", NO REFUSAL
PIT FLOODED FROM NEARBY WATERMAIN LEAK
(REPAIR IN PROGRESS AT TIME OF TEST PIT)

PERC TEST DATA

PERCOLATION RATE ESTIMATED: 10 MIN/IN
DATE: 6/03/05

DESIGN LOADING: EXISTING 2 BEDROOM MOBILE HOME

AREA REQUIRED: PER CLEAN SOLUTION SPECIFICATIONS: 75 SF DISPERSAL AREA REQUIRED

AREA PROPOSED: 238 SF DISPERSAL AREA PROVIDED

PROPOSED REPLACEMENT

SEPTIC SYSTEM PLAN

LOCUS: #9 HEMLOCK HAVEN
HAMPTON, NH

OWNER: RICHARD AND RUTH BLEY
83 HEMLOCK HAVEN
HAMPTON, NH 03842

NEW HAMPSHIRE Designer of Subsurface Disposal Systems — Ann W. Bialobrzeski No. 348 — Water Supply & Pollution Control

APPLICANT:
STOCKTON SERVICES
PO BOX 1306
HAMPTON, NH 03842

DATE: JUNE 29, 2005

APPROVAL: CA2005073945

G REQUIREMENTS

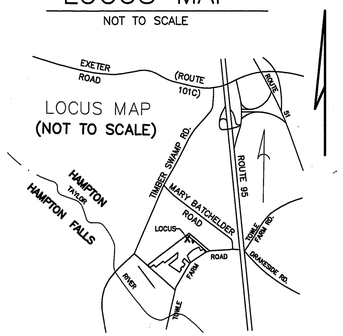
LUDGE AND SURFACE SCUM AT LEAST ONCE EVERY YEAR. UM EQUAL 1/3 OR MORE OF THE TANK DEPTH, THE TANK

CH FIELD, GREASE AND BULKY WASTE SHALL NOT BE

ENV–WS 1023.03 TOXIC AND HAZARDOUS MATERIALS SHALL NOT BE FLUSHED OR OTHERWISE INTRODUCED INTO THE SEPTIC SYSTEM.
ENV–WS 1023.04 TO PREVENT DAMAGE TO THE DISTRIBUTION LINES AND LEACH FIELD, VEHICLES, LIVESTOCK, AND OTHER HEAVY OBJECTS SHALL NOT BE ALLOWED ON THE LEACH FIELD.
ENV–WS 1023.05 IF WET AREAS APPEAR ON THE GROUND SURFACE ABOVE THE DISTRIBUTION LINES OR LEACH FIELD OR IF DISAGREEABLE ODORS OCCUR, THE SYSTEM SHALL BE INSPECTED FOR THE SOURCE OF THESE PROBLEMS, AND CORRECTIVE ACTION SHALL BE TAKEN.

LOCUS MAP

NOT TO SCALE



SOIL CLASS: 66 PAXTON

(SOURCE: USDA–SCS SOIL SURVEY)

BENCH MARKS: DATUM = ASSUMED

#1 WATER SHUT–OFF ELEV 49.02

#2 SET PK ELEV 48.48

#3 CONC @ CORNER GARAGE ELEV 52.46

DESIGN INTENT:

1. THE BOTTOM OF THE EFFLUENT DISPOSAL SYSTEM SHALL BE CONSTRUCTED AT ELEVATION 49.5 WHICH IS APPROX 0" ABOVE ORIGINAL GROUND ON THE HIGH CONTOUR OF DESIGNED EDS. EL 49.5

SUITABLE REPLACEMENT AREA:

SYSTEM MUST BE REBUILT IN PLACE OR REDESIGNED.

LEGEND:

50 — EXISTING CONTOUR

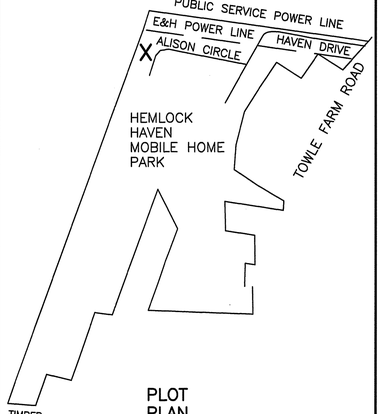
(50) — PROPOSED CONTOUR

50.0 — EXISTING SPOT ELEVATION

(50.0) — PROPOSED SPOT ELEVATION

NOTES:

1. THIS PLAN IS NOT TO BE CONSTRUED AS A BOUNDARY SURVEY. PROPERTY LINES SHOWN ARE APPROXIMATED BASED ON INFORMATION FROM THE FOLLOWING SOURCE: TITLE INSURANCE SURVEY BY OTHERS
2. NHDES–WS&PCD SUBDIVISION APPROVAL NUMBER: #12569, #13391, PREVIOUS CONSTRUCTION APPROVAL # CA2005073945
3. THIS SYSTEM IS NOT DESIGNED TO HANDLE GARBAGE DISPOSAL WASTE.
4. NO SURFACE WATER OR WELL WITHIN 75' OF PROPOSED SYSTEM.
5. THIS MOBILE HOME SITE IS IN A SECTION OF THE PARK THAT PREDATES 1967 REGULATIONS. EXISTING MOBILE HOME IS BELIEVED TO HAVE BEEN IN PLACE PRE–1967.
6. NO HYDRIC B SOILS WITHIN 50' OF ISDS
   NO HYDRIC A SOILS WITHIN 75' OF ISDS

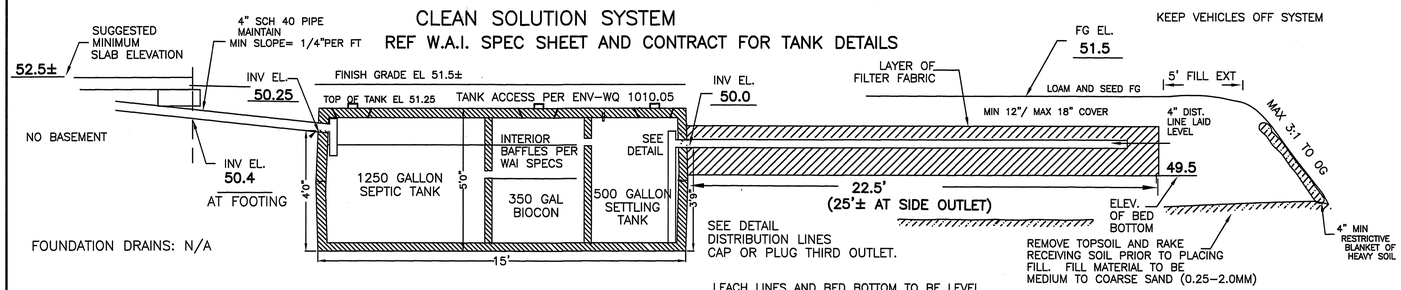


PLOT PLAN

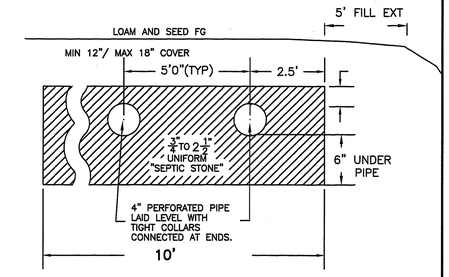
1"=APPROX 200'

CLEAN SOLUTION SYSTEM

REF W.A.I. SPEC SHEET AND CONTRACT FOR TANK DETAILS


SUGGESTED MINIMUM SLAB ELEVATION
52.5±
4" SCH 40 PIPE MAINTAIN MIN SLOPE= 1/4"PER FT
INV EL. 50.25
FINISH GRADE EL 51.5±
TOP OF TANK EL 51.25
TANK ACCESS PER ENV–WQ 1010.05
NO BASEMENT
INV EL. 50.4 AT FOOTING
INTERIOR BAFFLES PER WAI SPECS
1250 GALLON SEPTIC TANK
350 GAL BIOCON
SEE DETAIL
500 GALLON SETTLING TANK
INV EL. 50.0
KEEP VEHICLES OFF SYSTEM
FG EL. 51.5
LAYER OF FILTER FABRIC
LOAM AND SEED FG
5' FILL EXT
MIN 12"/ MAX 18" COVER
4" DIST. LINE LAID LEVEL
MAX 3:1 TO 0G
49.5
22.5'
(25'± AT SIDE OUTLET)
ELEV. OF BED BOTTOM
4" MIN RESTRICTIVE BLANKET OF HEAVY SOIL
4'0"
5'0"
3'9"
15'
FOUNDATION DRAINS: N/A
SEE DETAIL DISTRIBUTION LINES CAP OR PLUG THIRD OUTLET.
LEACH LINES AND BED BOTTOM TO BE LEVEL TO BE INSTALLED PER ENV–WQ 1017.01
REMOVE TOPSOIL AND RAKE RECEIVING SOIL PRIOR TO PLACING FILL. FILL MATERIAL TO BE MEDIUM TO COARSE SAND (0.25–2.0MM)
USE NON–SHRINK MORTAR SEALANT OR APPROVED EQUAL

CROSS SECTION DISPOSAL SYSTEM – NOT TO SCALE


5' FILL EXT
LOAM AND SEED FG
MIN 12"/ MAX 18" COVER
5'0"(TYP)
2.5'
3/4" TO 2 1/2" UNIFORM "SEPTIC STONE"
6" UNDER PIPE
4" PERFORATED PIPE LAID LEVEL WITH TIGHT COLLARS CONNECTED AT ENDS.
10'

ALL SPECIFICATIONS AND RESPONSIBILITIES OUTLINED IN THE CLEAN SOLUTION MANUAL ARE A PART OF THIS DESIGN. MAINTENANCE CONTRACT MUST BE EXECUTED PRIOR TO INSTALLATION.

WASTEWATER ALTERNATIVES, INC,
TECHNOLOGY DEVELOPED BY:
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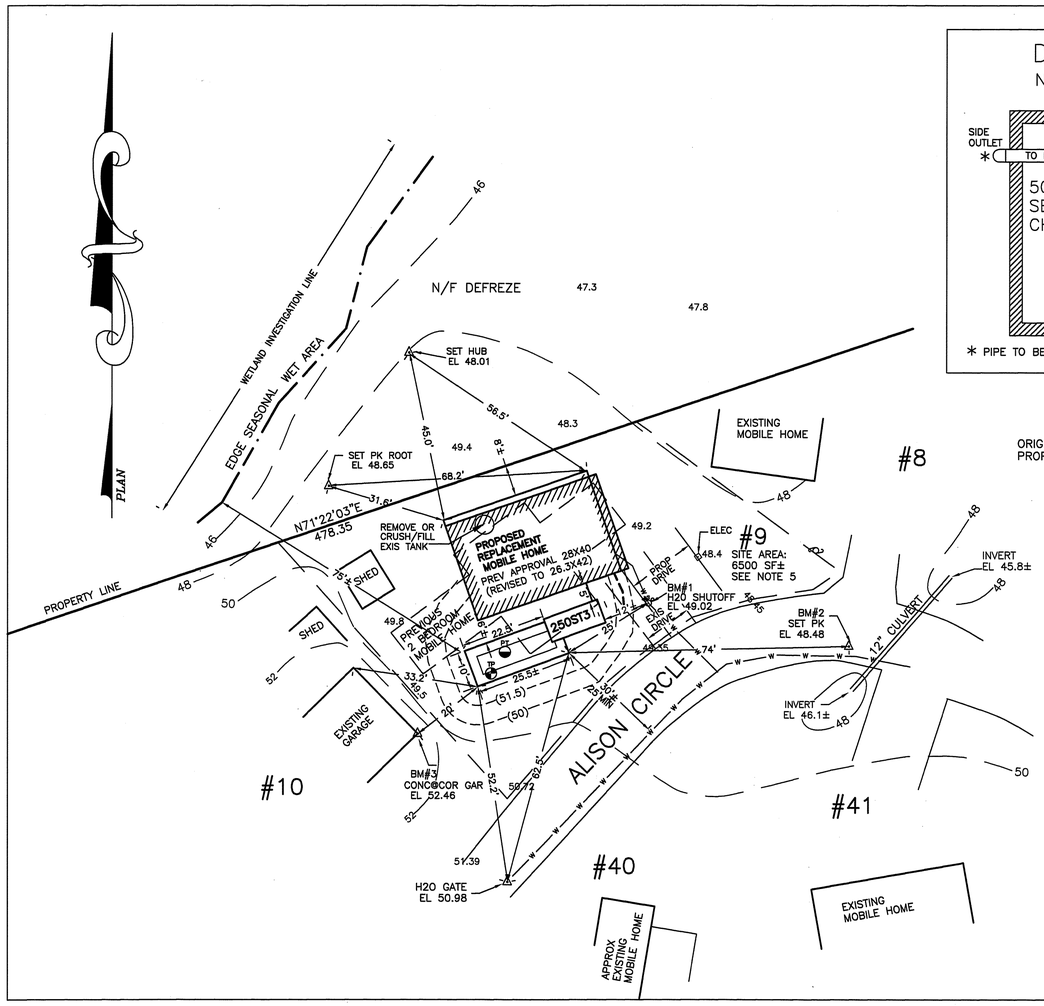
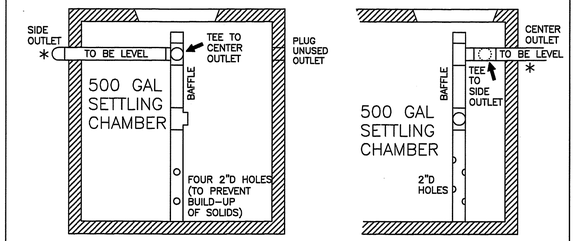
PLAN : 1"=20'



DETAIL: DISTRIBUTION LINES

NOT TO SCALE

WAIVER REQUESTED BY PREVIOUS AGREEMENT WITH SUBSURFACE STAFF.



* PIPE TO BE SOLID UNTIL 2.5' INTO STONE BED

ORIGINAL DWELLING FOOTPRINT AREA: 1340 SF±
PROPOSED FOOTPRINT AREA: 1106 SF±

WETLANDS DELINEATED 2005 BY DESIGNER.

APPROVAL WAS OBTAINED TO REPLACE THE FORMER CONDEMNED MOBILE HOME IN 2005. REQUIRED TOWN APPROVALS WERE OBTAINED BASED ON SUBSURFACE CONSTRUCTION APPROVAL #2005073945.

THE BUILDING PERMIT HAS BEEN RENEWED ANNUALLY BY THE OWNER, WHO INADVERTENTLY FAILED TO ADDRESS THE LAPSE OF THE CONSTRUCTION APPROVAL IN 2009. THIS SITE IS SERVED BY COMMUNITY WATER SUPPLY. ONE 2 BEDROOM STRUCTURE WAS SERVED BY THE ORIGINAL DISPOSAL SYSTEM ONE STRUCTURE WILL BE SERVED BY THE PROPOSED REPLACEMENT ISDS.

IT IS ASSUMED THAT THE DWELLING WILL HAVE A DISHWASHER, WASHING MACHINE, 2 TOILETS AND 2 SHOWERS.
THIS DESIGN IS NOT INTENDED TO ALLOW FOR JACUZZI, HOT TUB, WATER TREATMENT SYSTEM, OR GARBAGE GRINDER.
THE ORIGINAL DISPOSAL SYSTEM IS BELIEVED TO HAVE BEEN IN PLACE SINCE BEFORE 1967, AND IS ASSUMED TO HAVE BEEN IN FAILURE DUE TO LOCATION AT OR BELOW ESHWT. COMPONENTS ARE UNKNOWN.

THERE IS NO KNOWN CEMETERY WITHIN 100' OF ISDS.

TP TEST PIT DATA

DATE: JUNE 3, 2005
TOWN INSPECTOR: N/A

TEST PIT ELEVATION 49.5

0 –16" 10YR3/4 FINE SANDY LOAM, GRANULAR FRIABLE

16–30" 10YR5/4 FINE SANDY LOAM, GRANULAR FRIABLE

30–60" 2.5Y5/4 FINE SANDY LOAM, FIRM IN PLACE

ESHWT @ 24", ROOTS TO 30", NO REFUSAL
PIT FLOODED FROM NEARBY WATERMAIN LEAK
(REPAIR IN PROGRESS AT TIME OF TEST PIT)

PT PERC TEST DATA

PERCOLATION RATE ESTIMATED: 10 MIN/IN
DATE: 6/03/05

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AREA REQUIRED: PER CLEAN SOLUTION SPECIFICATIONS: 75 SF DISPERSAL AREA REQUIRED

AREA PROPOSED: 238 SF DISPERSAL AREA PROVIDED

REVISED REPLACEMENT

SEPTIC SYSTEM PLAN

PREVIOUS APPROVAL #CA2005073945 (EXPIRED)
REVISED AND RESUBMITTED MAY 2011

LOCUS: #9 HEMLOCK HAVEN
HAMPTON, NH
TAX MAP 138 LOT 1–9

OWNER: RICHARD AND RUTH BLEY
83 HEMLOCK HAVEN
HAMPTON, NH 03842

NEW HAMPSHIRE Designer of Subsurface Disposal Systems * * * Anne W. Bialobrzeski No. 348 Department of Environmental Services

APPLICANT:
STOCKTON SERVICES
PO BOX 1306
HAMPTON, NH 03842
603 929–7404

DATE: MAY 5, 2011

APPROVAL: CA20110104312

SYSTEM OWNER IS RESPONSIBLE FOR THE FOLLOWING OPERATING REQUIREMENTS

ENV–WS 1023.01 (a) SEPTIC TANKS SHALL BE INSPECTED FOR ACCUMULATION OF SLUDGE AND SURFACE SCUM AT LEAST ONCE EVERY YEAR. (b) WHEN THE COMBINED THICKNESS OF SLUDGE AND SURFACE SCUM EQUAL 1/3 OR MORE OF THE TANK DEPTH, THE TANK SHALL BE PUMPED BY A LICENSED SEPTIC TANK PUMPER.

ENV–WS 1023.02 TO PREVENT OBSTRUCTION OF THE DISTRIBUTION LINES AND LEACH FIELD, GREASE AND BULKY WASTE SHALL NOT BE FLUSHED OR OTHERWISE INTRODUCED INTO THE SEPTIC SYSTEM.

ENV–WS 1023.03 TOXIC AND HAZARDOUS MATERIALS SHALL NOT BE FLUSHED OR OTHERWISE INTRODUCED INTO THE SEPTIC SYSTEM.

ENV–WS 1023.04 TO PREVENT DAMAGE TO THE DISTRIBUTION LINES AND LEACH FIELD, VEHICLES, LIVESTOCK, AND OTHER HEAVY OBJECTS SHALL NOT BE ALLOWED ON THE LEACH FIELD.

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448–2011